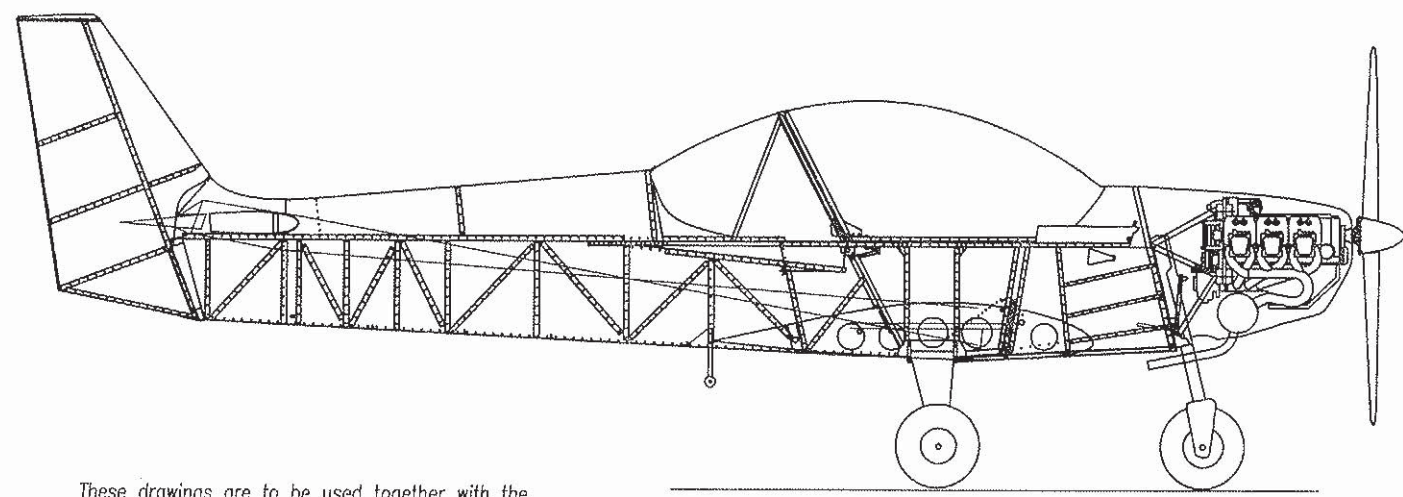
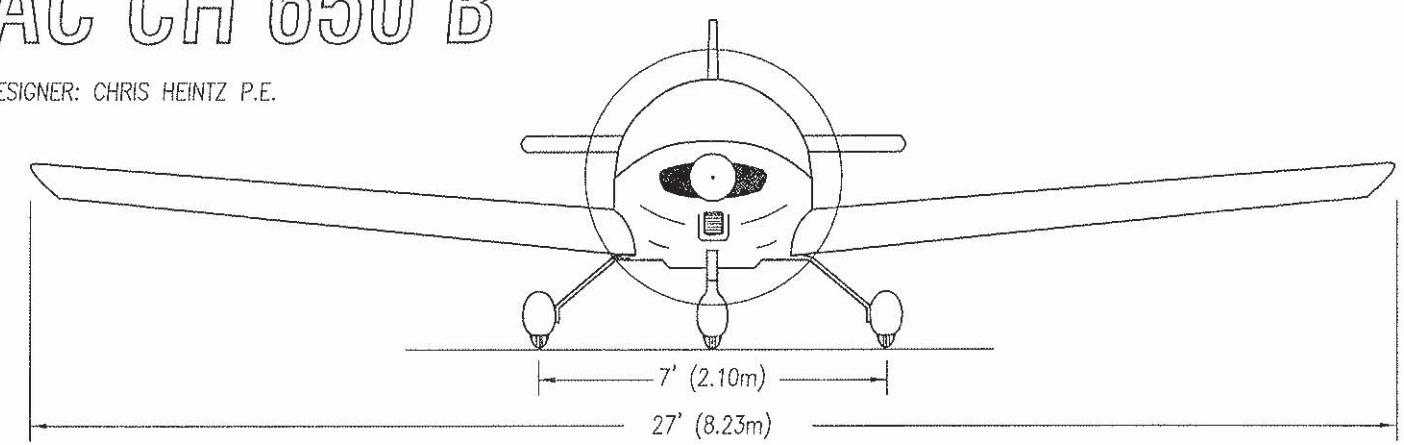


ZODIAC CH 650 B

DESIGNER: CHRIS HEINTZ P.E.

DRAWINGS
1st EDITION, August 2008
2nd EDITION, August 2010
3rd EDITION February 2012



side view with JABIRU 3300 engine

These drawings are to be used together with the Construction Standards. The Construction Standards provides the applicable specifications and tolerances.

TECHNICAL DATA

Wing Area: 134 sq. ft (12.5 sq. m.)
Wing Airfoil (profile): Riblet Wing GA 35-A-415
Wing Span: 27' (8.23m)
Wing Chord root 5'-3" (1.6m)
tip 4'-8" (1.42m)
Wing Aspect Ratio: 5.4
H.Tail and V. Tail: NACA 0012
Horizontal Tail Span: 7'-7" (2.3m)
Length: 20' (6.1m)
Rudder Tip Height: 6'-6" (1.98m)
Standard Fuel Tanks: 24 US gal. (91 liters)
Suitable Power Range: 80 to 125 BHP
Design Load Factor (LIMIT) +4/-2 G @ 1320 lbs.
Flaps extended: Positive +2g
Negative -0g
Gross Weight: 1320 lbs (600 kg)

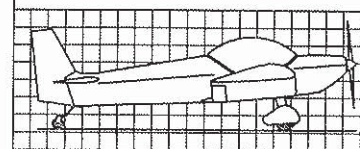
DESIGN SPEED LIMITATIONS (CALIBRATED AIRSPEED)

V _S	STALL SPEED (flaps up)	50 MPH (80 Km/h)
V _{SO}	FLAPS EXTENDED STALL	44 MPH (70 Km/h)
V _{FE}	MAX FLAP EXTENDED	80 MPH (130 Km/h)
V _A	MANEUVERING SPEED	94 MPH (150 Km/h)
V _{NE}	NEVER EXCEED SPEED	160 MPH (260 Km/h)
V _C	DESIGN CRUISING SPEED	124 MPH (200 Km/h)

AIRSPEED MARKINGS

RED LINE = V_{NE}
YELLOW ARC = V_C to V_{NE}
GREEN ARC = V_S to V_C
WHITE ARC = V_{SO} to V_{FE}

For AMATEUR-BUILT AIRCRAFT reference FAA AC 20-27F



VISIT THE WEB SITE FOR OPTIONS, DRAWING REVISIONS, UPDATES, ALTERNATE ENGINE INSTALLATIONS AND TO VIEW BUILDER PHOTOS:
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SERIAL NO: 65-

ZODIAC
CH 650 B

THREE VIEWS
GENERAL SPECIFICATIONS
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DATE: Feb 8, 2012